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Substance	Physical State	Density (g/cm
Oxygen	Gas	0.00133
Hydrogen	Gas	0.000084
Ethanol	Liquid	0.789
Benzene	Liquid	0.880
Water	Liquid	0.9982
Magnesium	Solid	1.74
Salt (sodium chloride)	Solid	2.16
Aluminum	Solid	2.70
Iron	Solid	7.87
Copper	Solid	8.96
Silver	Solid	10.5
Lead	Solid	11.34
Mercury	Liquid	13.6
Gold	Solid	19.32

QUESTION

Which would provide more grams of NaCl, sample one with a mass of 2,350 mg, or sample two, a solid with a volume of 2.00 cm³? (The density of solid salt is 2.16 g/cm³.) Select the most massive sample and its mass in grams.

- A. Sample two; 1.08 grams
- B. Sample two; 4.32 grams
- C. Sample one; 2.35 grams
- D. Sample one; 2.350 grams

QUESTION

The volume of any material can be obtained from its density and mass.

If the mass of a sample of acid from a battery were 5.00 grams and its density was 1.2 g/mL, what would the correct reported volume in mL with the proper number of significant digits?

A. 6.0 mL

B. 6.00 mL C. 4.2 mL

D. 4.17 mL















